

# Specifications — CVEQ 100, SVEQ 100

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## Video

Gain .....	Composite video and Y of S-video: -1 dB to +3 dB (x0.9 to x1.4), adjustable C of S-video: 0dB to +10 dB (x1 to x3), adjustable
Equalization .....	0 dB to +7 dB (x1 to x2) at 5 MHz, adjustable
Bandwidth (Y of S-video) .....	185 MHz (-3 dB)
Output cable driving distance ...	Up to 1000' (300 m) with Extron MHR cable

## Video input

Number/signal type	
CVEQ 100 .....	1 composite video
SVEQ 100 .....	1 S-video
Connectors	
CVEQ 100 .....	1 female BNC
SVEQ 100 .....	2 female BNC
Nominal level .....	1 Vp-p for Y of S-video, and for composite video (including sync) 0.3 Vp-p for C of S-video
Minimum/maximum levels	
CVEQ 100 .....	0.4 to 2.0 Vp-p with no offset at unity gain
SVEQ 100 .....	For Y: 0.4 to 2.0 Vp-p with no offset at unity gain
Impedance .....	75 ohms
Return loss .....	<-25 dB @ 0 to 5 MHz
DC offset (max. allowable) .....	4.0 V
Input coupling .....	AC

## Video output

Number/signal type	
CVEQ 100 .....	1 composite video
SVEQ 100 .....	1 S-video
Connectors	
CVEQ 100 .....	1 female BNC
SVEQ 100 .....	2 female BNC
Nominal level .....	1 Vp-p for Y of S-video, and for composite video (including sync) 0.3 Vp-p for C of S-video
Minimum/maximum levels .....	0.4 to 2.0 Vp-p (follows input)
Impedance .....	75 ohms
Return loss .....	-30 dB @ 5 MHz
DC offset .....	±5 mV with no input signal Floating: +0.1 to -0.6 V, depending on input signal content

## Sync

Standards .....	NTSC 3.58, NTSC 4.43, PAL, SECAM
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## Audio

Gain .....	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response .....	20 Hz to 20 kHz, +0.05 dB, -0.0 dB
THD + Noise .....	0.015% @ 1 kHz at nominal level
S/N .....	>100 dB at maximum output (unweighted)
Stereo channel separation .....	>80 dB @ 1 kHz
Output cable driving distance ...	Up to 1000' (300 m) with Extron STP cable

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## Audio input

Number/signal type .....	1 stereo unbalanced
Connectors .....	2 RCA female
Impedance .....	20k ohms unbalanced, DC coupled
Nominal level .....	-10 dBV (316 mVrms)
Maximum level .....	+16 dBu (4.9 V), balanced at 1% THD+N

**NOTE**  $0\text{ dBu} = 0.775\text{ Vrms}$ ,  $0\text{ dBV} = 1\text{ Vrms}$ ,  $0\text{ dBV} \approx 2\text{ dBu}$

## Audio output

Number/signal type .....	1 stereo, balanced/unbalanced
Connectors .....	(1) 3.5 mm captive screw connector, 5 pole
Impedance .....	50 ohms unbalanced, 100 ohms balanced
Nominal level .....	-10 dBV (316 mVrms), unbalanced; -2 dBu (632 mV), balanced output
Maximum level .....	+9 dBV (2.8 V) unbalanced, +17 dBu (5.6 V) balanced at 1% THD+N with a 10k ohm load

## General

External power supply .....	100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 12 VDC, 1 A, regulated
Power input requirements .....	12 VDC, 0.2 A
Temperature/humidity .....	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Rack mount .....	Yes, with optional 1U rack shelf, part #60-190-01 or 60-604-01; or 1U, 6" deep rack shelf, part #60-190-10 or 60-604-10; or VersaTools® 3" deep rack shelf, part #60-190-20 or 60-604-20. Also furniture and projector mountable with optional mounting kits.
Enclosure type .....	Metal
Enclosure dimensions	
CVEQ 100 .....	1.0" H x 4.3" W x 3.0" D (<1U high, quarter rack wide) 2.5 cm H x 11.0 cm W x 7.6 cm D (Depth excludes connectors. )
SVEQ 100 .....	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) 4.3 cm H x 11.0 cm W x 7.6 cm D (Depth excludes connectors. )
Product weight .....	0.7 lbs (0.3 kg)
Shipping weight .....	3 lbs (2 kg)
Vibration .....	ISTA 1A in carton (International Safe Transit Association)
Listings .....	UL, CUL
Compliances .....	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF .....	30,000 hours
Warranty .....	3 years parts and labor

**NOTE** *All nominal levels are at  $\pm 10\%$ .*

**NOTE** *Specifications are subject to change without notice.*

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